```
=> s azide
L1          8777 AZIDE

=> d

L1    ANSWER 1 OF 8777   REGISTRY   COPYRIGHT 2005 ACS on STN
RN    862479-50-3  REGISTRY
ED    Entered STN:  06 Sep 2005
CN    Benzoyl azide, 3,5-diamino-, polymer with 1H,3H-benzo[1,2-c:4,5-
      c']difuran-1,3,5,7-tetrone and 4,4'-oxybis[benzenamine] (9CI)   (CA
      INDEX NAME)
MF    (C12 H12 N2 O . C10 H2 O6 . C7 H7 N5 O)x
CI    PMS
PCT   Polyamic acid, Polyamic acid formed, Polyether, Polyimide, Polyimide
      formed
SR    CA
LC    STN Files:   CA, CAPLUS

      CM   1

      CRN  213212-88-5
      CMF  C7 H7 N5 O
```
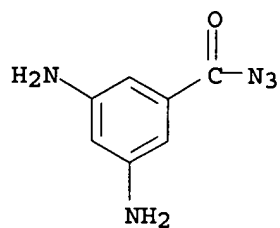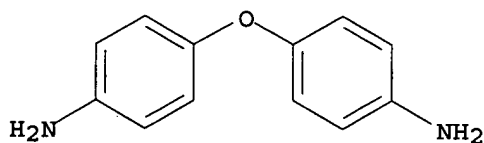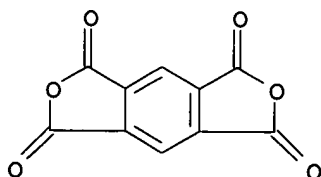


```
      CM   2

      CRN  101-80-4
      CMF  C12 H12 N2 O
```



```
      CM   3

      CRN  89-32-7
      CMF  C10 H2 O6
```

=> d 8777

L1   ANSWER 8777 OF 8777   REGISTRY   COPYRIGHT 2005 ACS on STN
RN   54-85-3   REGISTRY
ED   Entered STN: 16 Nov 1984
CN   4-Pyridinecarboxylic acid, hydrazide (9CI)   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Isonicotinic acid hydrazide (8CI)
OTHER NAMES:
CN   4-(Hydrazinocarbonyl)pyridine
CN   4-Pyridinecarbonylhydrazine
CN   4-Pyridinecarboxylic hydrazide
CN   4-Pyridylcarbonylhydrazide
CN   5015 R.P.
CN   Antimicina
CN   Armazid
CN   **Armazide**
CN   Atcotibine
CN   Cedin
CN   Cotinazin
CN   Dianicotyl
CN   Dinacrin
CN   Ditubin
CN   Eralon
CN   Ertuban
CN   Eutizon
CN   FSR 3
CN   GINK
CN   HIA
CN   Hidranizil
CN   Hidrasonil
CN   Hycozid
CN   Hydrazid
CN   Hyzyd
CN   Isidrina
CN   Isobicina
CN   Isocid
CN   Isocotin
CN   Isolyn
CN   Isonex
CN   Isoniazid
CN   Isoniazid SA
CN   **Isoniazide**
CN   Isonicid
CN   Isonico
CN   Isonicotan
CN   Isonicotinic hydrazide
CN   Isonicotinohydrazide
CN   Isonicotinoyl hydrazide
CN   Isonicotinoylhydrazine
CN   Isonidrin
CN   Isonilex
CN   Isonindon
CN   Isonizide
CN   Isotebezid
CN   Isozide
CN   Isozin
CN   Isozyd
CN   **Pycazide**
CN   **T.B. Razide**

CN   **Tubazide**
CN   **Zonazide**
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
      DISPLAY
FS   3D CONCORD
DR   7640-37-1, 62229-51-0, 37271-10-6, 41466-07-3
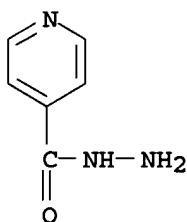MF   C6 H7 N3 O
CI   COM
LC   STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
         BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,
         CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU,
         DIOGENES, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB,
         IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PROMT, PS, RTECS*, SCISEARCH,
         SPECINFO, SYNTHLINE, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU
            (*File contains numerically searchable property data)
      Other Sources: DSL**, EINECS**, TSCA**, WHO
            (**Enter CHEMLIST File for up-to-date regulatory information)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

         8569 REFERENCES IN FILE CA (1907 TO DATE)
          185 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
         8578 REFERENCES IN FILE CAPLUS (1907 TO DATE)
           79 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d 1000

L1   ANSWER 1000 OF 8777   REGISTRY   COPYRIGHT 2005 ACS on STN
RN   452081-64-0   REGISTRY
ED   Entered STN: 17 Sep 2002
CN   **Bicyclo[3.1.0]hexane-6-carbonyl azide, 4-[[[(1,1-
      dimethylethyl)diphenylsilyl]oxy]methyl]-1,2,3-tris(phenylmethoxy)-,
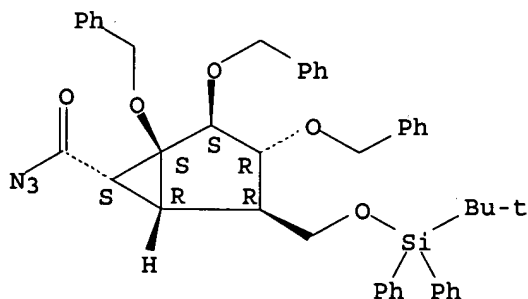   (1S,2S,3R,4R,5R,6S)- (9CI)**   (CA INDEX NAME)
FS   STEREOSEARCH
MF   C45 H47 N3 O5 Si
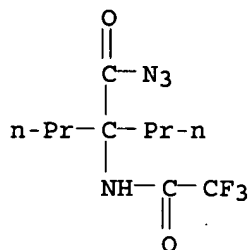SR   CA
LC   STN Files: CA, CAPLUS

Absolute stereochemistry.

=> d 5000

L1   ANSWER 5000 OF 8777   REGISTRY   COPYRIGHT 2005 ACS on STN
RN   87112-94-5 REGISTRY
ED   Entered STN: 16 Nov 1984
CN   **Pentanoyl azide, 2-propyl-2-[(trifluoroacetyl)amino]- (9CI)**   (CA
      INDEX NAME)
MF   C10 H15 F3 N4 O2
LC   STN Files: CA, CAPLUS

          1 REFERENCES IN FILE CA (1907 TO DATE)
          1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>
Uploading C:\Program Files\Stnexp\Queries\rkc416k.str

L2   STRUCTURE UPLOADED

=> s l2 ful
FULL SEARCH INITIATED 18:11:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   46 TO ITERATE

100.0% PROCESSED   46 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

L3   0 SEA SSS FUL L2

=>
Uploading C:\Program Files\Stnexp\Queries\rkc416l.str

L4 '   STRUCTURE UPLOADED

=> s l4
SAMPLE SEARCH INITIATED 18:13:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   4 TO ITERATE

100.0% PROCESSED   4 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS: 4 TO   200
PROJECTED ANSWERS: 0 TO   0

L5   0 SEA SSS SAM L4

=> s l4 ful

FULL SEARCH INITIATED 18:13:31 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   140 TO ITERATE

100.0% PROCESSED   140 ITERATIONS   1 ANSWERS
SEARCH TIME: 00.00.01
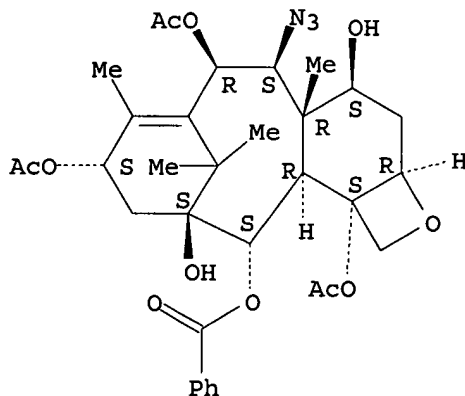
L6   1 SEA SSS FUL L4

=> d

L6   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN   851430-16-5 REGISTRY
ED   Entered STN: 01 Jun 2005
CN   7,11-Methano-1H-cyclodeca[3,4]benz[1,2-b]oxete-4,6,9,11,12,12b-hexol,
      5-azido-2a,3,4,4a,5,6,12,12a-octahydro-4a,8,13,13-tetramethyl-,
      6,9,12b-triacetate 12-benzoate, (2aR,4S,4aR,5S,6R,9S,11S,12S,12aR,12bS)-
      (9CI) (CA INDEX NAME)
FS   STEREOSEARCH
MF   C33 H41 N3 O11
SR   CA
LC   STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

          1 REFERENCES IN FILE CA (1907 TO DATE)
          1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
          1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                 ENTRY   SESSION
FULL ESTIMATED COST   344.20   344.41

FILE 'CAPLUS' ENTERED AT 18:13:45 ON 18 SEP 2005
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   This file contains CAS Registry Numbers for easy and accurate
   substance identification.

=> s l7
L7 NOT FOUND
The L-number entered has not been defined in this session, or it
has been deleted. To see the L-numbers currently defined in this
session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s l6
L7   1 L6

=> d fbib abs fhitstr

L7   ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
AN   2005:409269 CAPLUS
DN   142:463899
TI   Semi-synthesis of taxane intermediates from 9-dihydro-13-acetylbaccatin
     III
IN   Naidu, Ragina
PA   Phytogen Life Sciences Inc., Can.
SO   U.S. Pat. Appl. Publ., 56 pp.
     CODEN: USXXCO
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
     ---------------   ----   -------- --------------------   --------
PI   US 2005101789   A1   20050512 US 2003-695416   20031027
     WO 2005044811   A2   20050519 WO 2004-US35583   20041027
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
                                             US 2003-695416   A 20031027
OS   MARPAT 142:463899
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB   A method is provided for the semi-synthesis of taxane intermediates useful
     in the preparation of paclitaxel (I; R = COPh, R' = Ac) and docetaxel (I; R =
     Boc, R' = H) from 9-dihydro-13-acetylbaccatin III (II). The preparation of a
     suitably protected baccatin III backbone, e.g. III [R1, R2, R4, R5, R6 =
     H, hydroxyl protective group {e.g., CHO, Ac, COCHCl2, COEt, COCHMe2,
     COCMe3, SiMe3, SiEt3, Si(CHMe2)3, SiMe2CHMe2, SiEt2CHMe2, SiMe2CMe3,
     SiPh2Me, SiPh2CMe3, Si(CH2Ph)3, SiPh3, CO2CH2CCl3, CH2Ph, CH2C6H4NO2-4,

CH2C6H4OMe-4, COPh, Boc, Cbz, CH2OMe, CH2CH2OMe, CH(OEt)Me, C6H4OMe-4,
THP, tetrahydrofuranyl, alkylsulfonyl, arylsulfonyl}; R3 = β-N3,
α-OH, β-Br, :O] from II, and the insertion of the
phenylisoserine side chain onto the protected baccatin III from III to
form the taxane derivs. and I is disclosed.

IT   **851430-16-5DP**, C(7)-protected
      RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
      (Reactant or reagent)
          (preparation and oxidation of; semi-synthesis of taxane intermediates from
          9-dihydro-13-acetylbaccatin III)

RN   851430-16-5   CAPLUS
CN   7,11-Methano-1H-cyclodeca[3,4]benz[1,2-b]oxete-4,6,9,11,12,12b-hexol,
      5-azido-2a,3,4,4a,5,6,12,12a-octahydro-4a,8,13,13-tetramethyl-,
      6,9,12b-triacetate 12-benzoate, (2aR,4S,4aR,5S,6R,9S,11S,12S,12aR,12bS)-
      (9CI)   (CA INDEX NAME)

Absolute stereochemistry.

chain nodes :
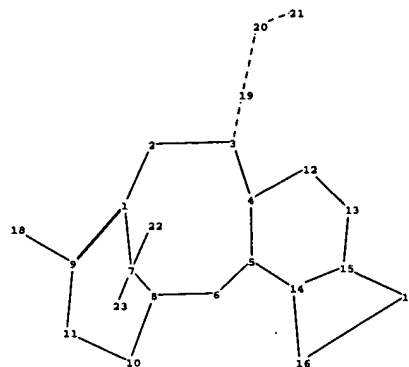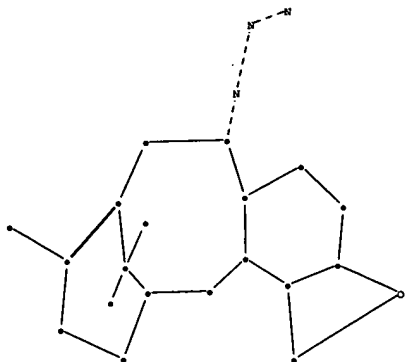   18   19   20   21   22   23
ring nodes :
    1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16   17
chain bonds :
    3-19   7-22   7-23   9-18   19-20   20-21
ring bonds :
    1-2   1-7   1-9   2-3   3-4   4-5   4-12   5-6   5-14   6-8   7-8   8-10   9-11   10-11   12-13   13-15
    14-15   14-16   15-17   16-17
exact/norm bonds :
    1-2   1-7   1-9   2-3   3-4   3-19   4-5   4-12   5-6   5-14   6-8   7-8   8-10   9-11   10-11   12-13
    13-15   14-15   14-16   15-17   16-17   19-20   20-21
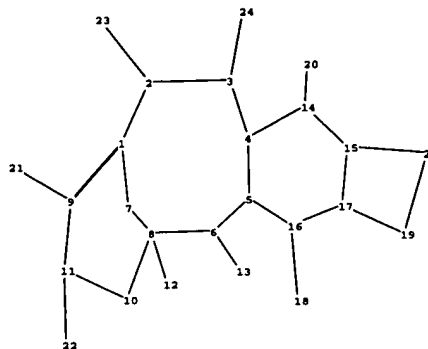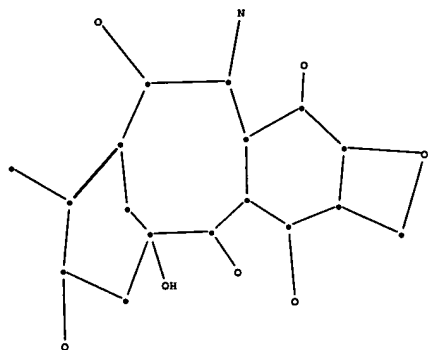exact bonds :
    7-22   7-23   9-18

Match level :
    1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom   11:Atom
    12:Atom   13:Atom   14:Atom   15:Atom   16:CLASS   17:Atom   18:CLASS   19:CLASS   20:CLASS
    21:CLASS   22:CLASS   23:CLASS

```
chain nodes :
    12   13   18   20   21   22   23   24
ring nodes :
    1   2   3   4   5   6   7   8   9   10   11   14   15   16   17   19   25
chain bonds :
    2-23   3-24   6-13   8-12   9-21   11-22   14-20   16-18
ring bonds :
    1-2   1-7   1-9   2-3   3-4   4-5   4-14   5-6   5-16   6-8   7-8   8-10   9-11   10-11   14-15   15-17
    15-25   16-17   17-19   19-25
exact/norm bonds :
    1-2   1-7   1-9   2-3   2-23   3-4   3-24   4-5   4-14   5-6   5-16   6-8   6-13   7-8   8-10   8-12   9-11
    10-11   11-22   14-15   14-20   15-17   15-25   16-17   16-18   17-19   19-25
exact bonds :
    9-21


Connectivity :
    24:3 E exact RC ring/chain
Match level :
    1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom   11:Atom
    12:CLASS   13:CLASS   14:Atom   15:Atom   16:Atom   17:Atom   18:CLASS   19:Atom   20:CLASS
    21:CLASS   22:CLASS   23:CLASS   24:CLASS   25:Atom
```

chain nodes :
    12   13   18   20   21   22   23   24   27   28   29   30
ring nodes :
    1   2   3   4   5   6   7   8   9   10   11   14   15   16   17   19   25
chain bonds :
    2-23   3-24   6-13   7-29   7-30   8-12   9-21   11-22   14-20   16-18   24-27   27-28
ring bonds :
    1-2   1-7   1-9   2-3   3-4   4-5   4-14   5-6   5-16   6-8   7-8   8-10   9-11   10-11   14-15   15-17
    15-25   16-17   17-19   19-25
exact/norm bonds :
    1-2   1-7   1-9   2-3   2-23   3-4   3-24   4-5   4-14   5-6   5-16   6-8   6-13   7-8   8-10   8-12   9-11
    10-11   11-22   14-15   14-20   15-17   15-25   16-17   16-18   17-19   19-25   24-27   27-28
exact bonds :
    7-29   7-30   9-21
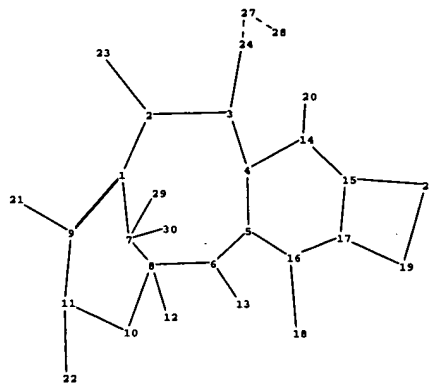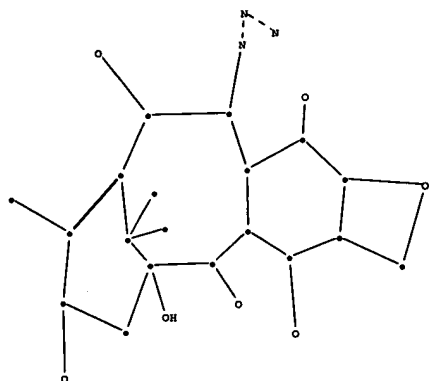

Connectivity :
    24:3 E exact RC ring/chain
Match level :
    1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom   11:Atom
    12:CLASS   13:CLASS   14:Atom   15:Atom   16:Atom   17:Atom   18:CLASS   19:Atom   20:CLASS
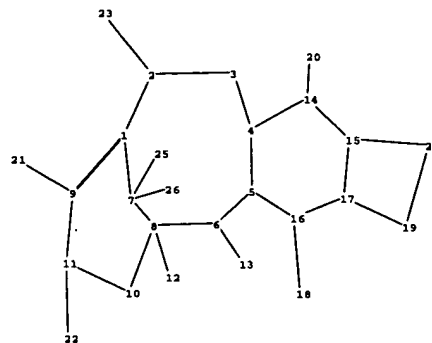   21:CLASS   22:CLASS   23:CLASS   24:CLASS   25:Atom   27:CLASS   28:CLASS   29:CLASS   30:CLASS

C:\Program Files\Stnexp\Queries\rkc416g.str


```
chain nodes :
    12  13  18  20  21  22  23  25  26
ring nodes :
    1   2   3   4   5   6   7   8   9   10  11  14  15  16  17  19  24
chain bonds :
    2-23  6-13  7-25  7-26  8-12  9-21  11-22  14-20  16-18
ring bonds :
    1-2  1-7  1-9  2-3  3-4  4-5  4-14  5-6  5-16  6-8  7-8  8-10  9-11  10-11  14-15  15-17
    15-24  16-17  17-19  19-24
exact/norm bonds :
    1-2  1-7  1-9  2-3  2-23  3-4  4-5  4-14  5-6  5-16  6-8  6-13  7-8  8-10  8-12  9-11
    10-11  11-22  14-15  14-20  15-17  15-24  16-17  16-18  17-19  19-24
exact bonds :
    7-25  7-26  9-21


Match level :
    1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom  11:Atom
    12:CLASS  13:CLASS  14:Atom  15:Atom  16:Atom  17:Atom  18:CLASS  19:Atom  20:CLASS
    21:CLASS  22:CLASS  23:CLASS  24:Atom  25:CLASS  26:CLASS
```
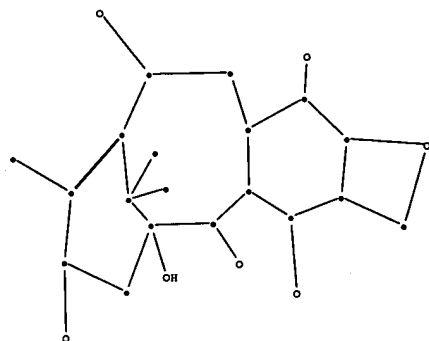
```
chain nodes :
    12   13   20   21   22   23   24
ring nodes :
    1   2   3   4   5   6   7   8   9   10   11   14   15   16   17   18   19
chain bonds :
    2-23   3-24   6-13   8-12   9-21   11-22   14-20
ring bonds :
    1-2   1-7   1-9   2-3   3-4   4-5   4-14   5-6   5-16   6-8   7-8   8-10   9-11   10-11   14-15   15-17
    16-17   16-18   17-19   18-19
exact/norm bonds :
    1-2   1-7   1-9   2-3   2-23   3-4   3-24   4-5   4-14   5-6   5-16   6-8   6-13   7-8   8-10   8-12   9-11
    10-11   11-22   14-15   14-20   15-17   16-17   16-18   17-19   18-19
exact bonds :
    9-21


Match level :
    1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom   11:Atom
    12:CLASS   13:CLASS   14:Atom   15:Atom   16:Atom   17:Atom   18:CLASS   19:Atom   20:CLASS
    21:CLASS   22:CLASS   23:CLASS   24:CLASS
```
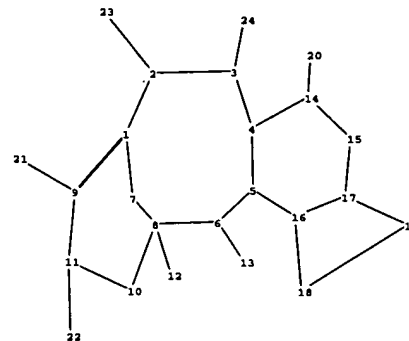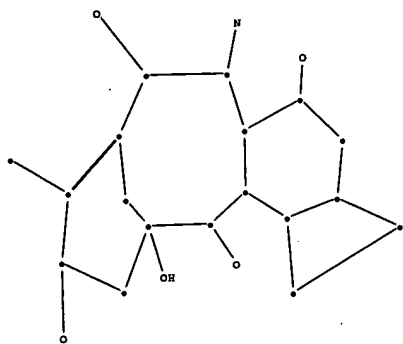
chain nodes :
    12 13 20 21 22 23 24
ring nodes :
    1 2 3 4 5 6 7 8 9 10 11 14 15 16 17 18 19
chain bonds :
    2-23 3-24 6-13 8-12 9-21 11-22 14-20
ring bonds :
    1-2 1-7 1-9 2-3 3-4 4-5 4-14 5-6 5-16 6-8 7-8 8-10 9-11 10-11 14-15 15-17
    16-17 16-18 17-19 18-19
exact/norm bonds :
    1-2 1-7 1-9 2-3 2-23 3-4 3-24 4-5 4-14 5-6 5-16 6-8 6-13 7-8 8-10 8-12 9-11
    10-11 11-22 14-15 14-20 15-17 16-17 16-18 17-19 18-19
exact bonds :
    9-21

Match level :
    1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
    12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:Atom 20:CLASS
    21:CLASS 22:CLASS 23:CLASS 24:CLASS

chain nodes :
    12   13   20   21   22   23   24   25   26   27   28   29
ring nodes :
    1   2   3   4   5   6   7   8   9   10   11   14   15   16   17   18   19
chain bonds :
    2-26   3-23   6-13   7-27   7-28   8-12   9-21   11-22   14-20   16-29   23-24   24-25
ring bonds :
    1-2   1-7   1-9   2-3   3-4   4-5   4-14   5-6   5-16   6-8   7-8   8-10   9-11   10-11   14-15   15-17
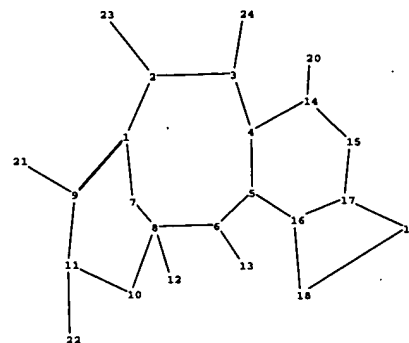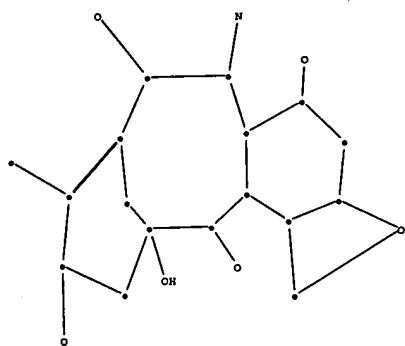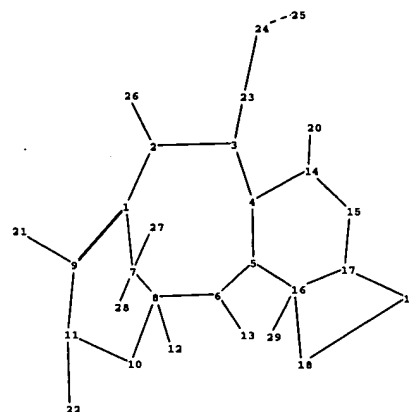   16-17   16-18   17-19   18-19
exact/norm bonds :
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    10-11   11-22   14-15   14-20   15-17   16-17   16-18   16-29   17-19   18-19   23-24   24-25
exact bonds :
    7-27   7-28   9-21

Match level :
    1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom   11:Atom
    12:CLASS   13:CLASS   14:Atom   15:Atom   16:Atom   17:Atom   18:CLASS   19:Atom   20:CLASS
    21:CLASS   22:CLASS   23:CLASS   24:CLASS   25:CLASS   26:CLASS   27:CLASS   28:CLASS   29:CLASS

chain nodes :
    18 19 20 21 22 23
ring nodes :
    1   2   3   4   5   6   7   8   9   10 11 12 13 14 15 16 17
chain bonds :
    3-19 7-22 7-23 9-18 19-20 20-21
ring bonds :
    1-2 1-7 1-9 2-3 3-4 4-5 4-12 5-6 5-14 6-8 7-8 8-10 9-11 10-11 12-13 13-15
    14-15 14-16 15-17 16-17
exact/norm bonds :
    1-2 1-7 1-9 2-3 3-4 3-19 4-5 4-12 5-6 5-14 6-8 7-8 8-10 9-11 10-11 12-13
    13-15 14-15 14-16 15-17 16-17 19-20 20-21
exact bonds :
    7-22 7-23 9-18

Match level :
    1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
    12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:Atom 18:CLASS 19:CLASS 20:CLASS
    21:CLASS 22:CLASS 23:CLASS

chain nodes :
    12 13 20 21 22 23 24
ring nodes :
    1   2   3   4   5   6   7   8   9   10 11 14 15 16 17 18 19
chain bonds :
    2-23 3-24 6-13 8-12 9-21 11-22 14-20
ring bonds :
    1-2 1-7 1-9 2-3 3-4 4-5 4-14 5-6 5-16 6-8 7-8 8-10 9-11 10-11 14-15 15-17
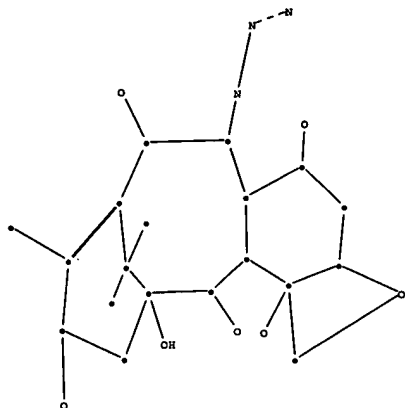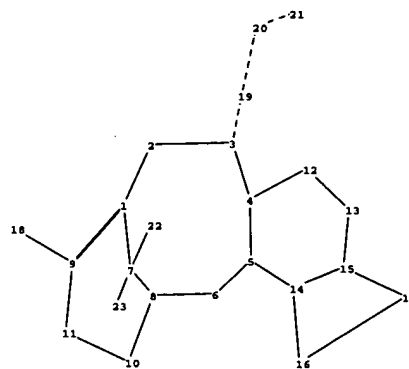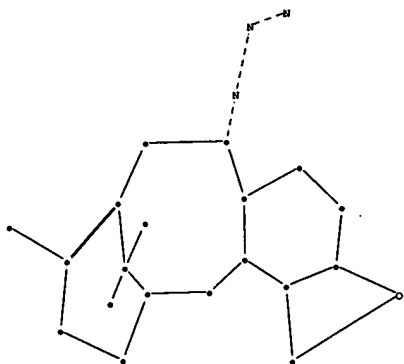   16-17 16-18 17-19 18-19
exact/norm bonds :
    1-2 1-7 1-9 2-3 2-23 3-4 3-24 4-5 4-14 5-6 5-16 6-8 6-13 7-8 8-10 8-12 9-11
    10-11 11-22 14-15 14-20 15-17 16-17 16-18 17-19 18-19
exact bonds :
    9-21

Match level :
    1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom   11:Atom
    12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:Atom 20:CLASS
    21:CLASS 22:CLASS 23:CLASS 24:CLASS

```
chain nodes :
     12   13   18   20   21   22   23   24
ring nodes :
     1   2   3   4   5   6   7   8   9   10   11   14   15   16   17   19   25
chain bonds :
     2-23   3-24   6-13   8-12   9-21   11-22   14-20   16-18
ring bonds :
     1-2   1-7   1-9   2-3   3-4   4-5   4-14   5-6   5-16   6-8   7-8   8-10   9-11   10-11   14-15   15-17
     15-25   16-17   17-19   19-25
exact/norm bonds :
     1-2   1-7   1-9   2-3   2-23   3-4   3-24   4-5   4-14   5-6   5-16   6-8   6-13   7-8   8-10   8-12   9-11
     10-11   11-22   14-15   14-20   15-17   15-25   16-17   16-18   17-19   19-25
exact bonds :
     9-21


Connectivity :
     24:3 E exact RC ring/chain
Match level :
     1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom   11:Atom
     12:CLASS   13:CLASS   14:Atom   15:Atom   16:Atom   17:Atom   18:CLASS   19:Atom   20:CLASS
     21:CLASS   22:CLASS   23:CLASS   24:CLASS   25:Atom
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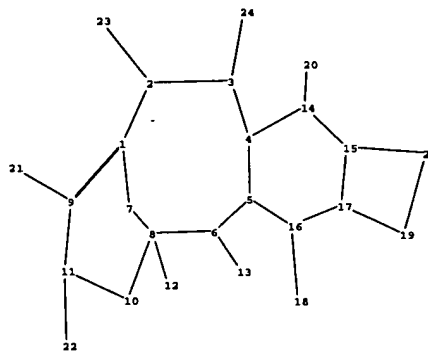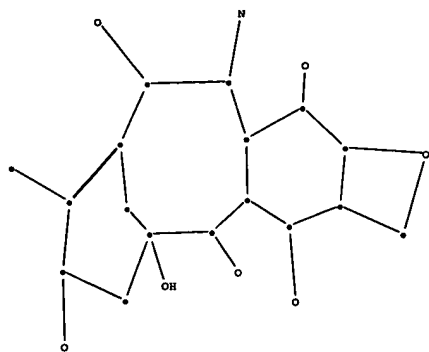
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=> s l8 ful
FULL SEARCH INITIATED 15:05:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   207 TO ITERATE

100.0% PROCESSED   207 ITERATIONS   2 ANSWERS
SEARCH TIME: 00.00.01

L9   2 SEA SSS FUL L8

=> d 1-2

L9   ANSWER 1 OF 2   REGISTRY   COPYRIGHT 2005 ACS on STN
RN   851430-16-5 REGISTRY
ED   Entered STN: 01 Jun 2005
CN   7,11-Methano-1H-cyclodeca[3,4]benz[1,2-b]oxete-4,6,9,11,12,12b-hexol,
      5-azido-2a,3,4,4a,5,6,12,12a-octahydro-4a,8,13,13-tetramethyl-,
      6,9,12b-triacetate 12-benzoate, (2aR,4S,4aR,5S,6R,9S,11S,12S,12aR,12bS)-
      (9CI)   (CA INDEX NAME)
FS   STEREOSEARCH
MF   C33 H41 N3 O11
SR   CA
LC   STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

            1 REFERENCES IN FILE CA (1907 TO DATE)
            1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L9   ANSWER 2 OF 2   REGISTRY   COPYRIGHT 2005 ACS on STN
RN   502437-28-7 REGISTRY
ED   Entered STN: 09 Apr 2003
CN   Benzenepropanoic acid, β-(benzoylamino)-α-hydroxy-,
      (2aR,4S,4aR,6R,9S,11S,12S,12aR,12bS)-12b-(acetyloxy)-5-amino-12-
      (benzoyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4,6,11-
      trihydroxy-4a,8,13,13-tetramethyl-7,11-methano-1H-cyclodeca[3,4]benz[1,2-
      b]oxet-9-yl ester, (αR,βS)- (9CI)   (CA INDEX NAME)
FS   STEREOSEARCH
MF   C45 H52 N2 O12
SR   CA
LC   STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

NH$_2$

HO OH

OH Me R R

Ph H N S R O S

O S Me R

Ph O OH Me R Me S R H

S S H

OH H AcO O

O O

Ph

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                          ENTRY   SESSION
FULL ESTIMATED COST   662.99   663.20

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FILE LAST UPDATED: 5 Sep 2005 (20050905/ED)

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  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

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L10   2 L9

=> d 1-2 fbib abs fhitstr

L10 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
AN   2005:409269 CAPLUS
DN   142:463899
TI   Semi-synthesis of taxane intermediates from 9-dihydro-13-acetylbaccatin
     III
IN   Naidu, Ragina
PA   Phytogen Life Sciences Inc., Can.
SO   U.S. Pat. Appl. Publ., 56 pp.
     CODEN: USXXCO

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DT    Patent
LA    English
FAN.CNT 1
       PATENT NO.              KIND    DATE      APPLICATION NO.          DATE
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PI    US 2005101789           A1      20050512   US 2003-695416           20031027
      WO 2005044811           A2      20050519   WO 2004-US35583          20041027
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              GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
              LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
              NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
              TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
          RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
              AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
              EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
              SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
              SN, TD, TG
                                                  US 2003-695416      A  20031027
OS    MARPAT 142:463899
GI
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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

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AB    A method is provided for the semi-synthesis of taxane intermediates useful
      in the preparation of paclitaxel (I; R = COPh, R' = Ac) and docetaxel (I; R =
      Boc, R' = H) from 9-dihydro-13-acetylbaccatin III (II).  The preparation of a
      suitably protected baccatin III backbone, e.g. III [R1, R2, R4, R5, R6 =
      H, hydroxyl protective group {e.g., CHO, Ac, COCHCl2, COEt, COCHMe2,
      COCMe3, SiMe3, SiEt3, Si(CHMe2)3, SiMe2CHMe2, SiEt2CHMe2, SiMe2CMe3,
      SiPh2Me, SiPh2CMe3, Si(CH2Ph)3, SiPh3, CO2CH2CCl3, CH2Ph, CH2C6H4NO2-4,
      CH2C6H4OMe-4, COPh, Boc, Cbz, CH2OMe, CH2CH2OMe, CH(OEt)Me, C6H4OMe-4,
      THP, tetrahydrofuranyl, alkylsulfonyl, arylsulfonyl}; R3 = β-N3,
      α-OH, β-Br, :O] from II, and the insertion of the
      phenylisoserine side chain onto the protected baccatin III from III to
      form the taxane derivs. and I is disclosed.
IT    851430-16-5DP, C(7)-protected
      RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
      (Reactant or reagent)
          (preparation and oxidation of; semi-synthesis of taxane intermediates from
          9-dihydro-13-acetylbaccatin III)
RN    851430-16-5  CAPLUS
CN    7,11-Methano-1H-cyclodeca[3,4]benz[1,2-b]oxete-4,6,9,11,12,12b-hexol,
      5-azido-2a,3,4,4a,5,6,12,12a-octahydro-4a,8,13,13-tetramethyl-,
      6,9,12b-triacetate 12-benzoate, (2aR,4S,4aR,5S,6R,9S,11S,12S,12aR,12bS)-
      (9CI)  (CA INDEX NAME)
```

Absolute stereochemistry.

AcO N3 OH
Me R S Me
Me S
AcO S Me R R H
S R
S O
H
OH
O O AcO
Ph

L10   ANSWER 2 OF 2   CAPLUS   COPYRIGHT 2005 ACS on STN
AN   2003:222324   CAPLUS
DN   138:260444
TI   Manufacture of polyglutamate-therapeutic agent conjugates
IN   Kumar, Anil; Klein, J. Peter; Bhatt, Rama; Vawter, Edward
PA   Cell Therapeutics, Inc., USA
SO   U.S. Pat. Appl. Publ., 13 pp., Cont.-in-part of U.S. Ser. No. 686,627.
      CODEN: USXXCO
DT   Patent
LA   English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
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				US 2000-686627	A2	20001012
	EP 1466627	A1	20041013	EP 2004-13703		20001012
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	IE, FI, CY					
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	US 2002077279	A1	20020620	US 2001-971657		20011009
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				US 2000-686627	A3	20001012
	US 2003224971	A1	20031204	US 2003-404152		20030402
				US 1999-159135P	P	19991012
				US 2000-686627	A1	20001012

PATENT FAMILY INFORMATION:
FAN   2001:283821

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2001026693	A2	20010419	WO 2000-US28109		20001012
	WO 2001026693	A3	20011227			
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	DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,					
	JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,					
	MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,					
	TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,					
	MD, RU, TJ, TM					
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,					
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,					
	CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
				US 1999-159135P	P	19991012
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				US 1999-159135P	P	19991012
				WO 2000-US28109	W	20001012
	EP 1225917	A2	20020731	EP 2000-972079		20001012

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            IE, SI, LT, LV, FI, RO, MK, CY, AL
                                            US 1999-159135P      P   19991012
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       JP 2003511423          T2   20030325  JP 2001-529754          20001012
                                            US 1999-159135P      P   19991012
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       BR 2000014652          A    20030610  BR 2000-14652           20001012
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                                            US 1999-159135P      P   19991012
       NO 2002001701          A    20020523  NO 2002-1701            20020411
                                            US 1999-159135P      P   19991012
                                            WO 2000-US28109      W   20001012
       NZ 529789              A    20031219  NZ 2003-529789          20031126
                                            US 1999-159135P      P   19991012
```

AB An improved process for preparing a conjugate of poly(glutamic acid) and a
    therapeutic agent is described. The process comprises (a) providing the
    protonated form of a poly(glutamic acid) polymer and a therapeutic agent,
    (b) covalently linking the therapeutic agent to poly(glutamic acid) in an
    inert organic solvent to form a polyglutamic acid-therapeutic agent
    conjugate, (c) precipitating the conjugate from solution by addition of an
excess volume
    of aqueous salt solution, and (d) collecting the conjugate as a protonated
solid.
    conjugates for clin. development and pharmaceutical use, and polyglutamic
    acid-therapeutic agent conjugates prepared by these processes. For example,
    poly(L-glutamic acid)-paclitaxel conjugate was prepared and found to be
    active in mice implanted s.c. with Lewis lung carcinoma cells.
IT **502437-28-7P**
    RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
    (Reactant or reagent)
       (preparation of polyglutamate-antitumor drug conjugates)
RN 502437-28-7 CAPLUS
CN Benzenepropanoic acid, β-(benzoylamino)-α-hydroxy-,
    (2aR,4S,4aR,6R,9S,11S,12S,12aR,12bS)-12b-(acetyloxy)-5-amino-12-
    (benzoyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4,6,11-
    trihydroxy-4a,8,13,13-tetramethyl-7,11-methano-1H-cyclodeca[3,4]benz[1,2-
    b]oxet-9-yl ester, (αR,βS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.